



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

ACME Engineering and Manufacturing Corporation
1820 N. York Street
Muskogee, OK 74403

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model PRN Aluminum Rooftop Exhaust Fan

APPROVAL DOCUMENT: Drawing No. 686739, titled "Exhaust Ventilator Model PRN", sheets 1 through 3 of 3, dated 04/12/2010, with revision D dated 07/21/2015, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA # 12-0814.13 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

Carlos M. Utrera
09/14/2015

NOA No. 15-0729.19
Expiration Date: November 4, 2020
Approval Date: September 24, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **686739**, titled "Exhaust Ventilator Model PRN", Sheets 1 through 3 of 3, dated 04/12/2010, with revision D dated 07/21/2015, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard Boyette, P.E.

B. TESTS

1. Test report on Uniform Static Air Pressure Test per FBC, TAS 202-94 of CH62 and CH68 Roof Curbs, prepared by Intertek/Architectural Testing, Inc., Test Report No. **E1749.01-801-44**, dated 11/05/2014, with Revision 1 dated 07/16/2015, signed and sealed by Joseph A. Reed, P.E.

"Submitted under NOA # 10-0714.01"

2. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94,
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of three Model PRN-171 Aluminum Roof Mounted Exhaust Fans, prepared by Architectural Testing, Inc., Test Report No. **90349.02-801-18**, dated 01/22/2010, with Revision 1 dated 09/09/2010, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Anchor verification calculations prepared by Rick Boyette Consulting, Inc, dated 07/22/2015, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 10-0714.01"

2. Anchor verification calculations, prepared by Rick Boyette Consulting, Inc, dated 09/18/2010, signed and sealed by Richard Boyette, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

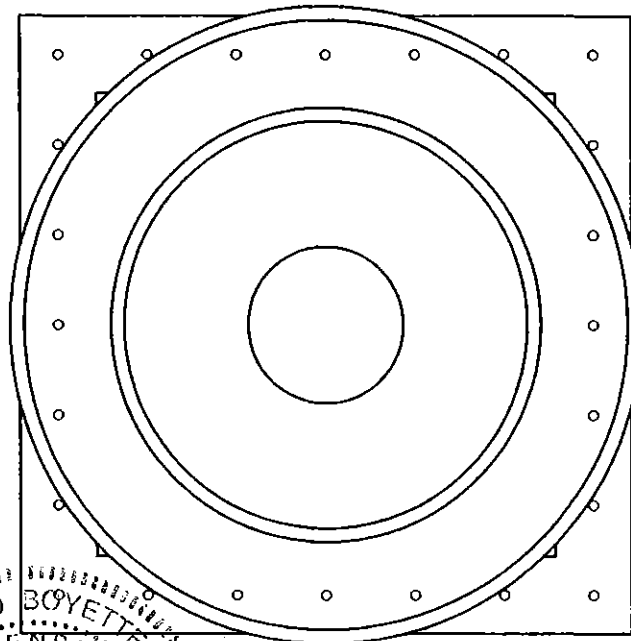
1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Rick Boyette Consulting, Inc, dated 07/22/2015, signed and sealed by Richard Boyette, P.E.
2. Statement letter of no financial interest letter issued by Rick Boyette Consulting, Inc, dated 07/22/2015, signed and sealed by Richard Boyette, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0729.19

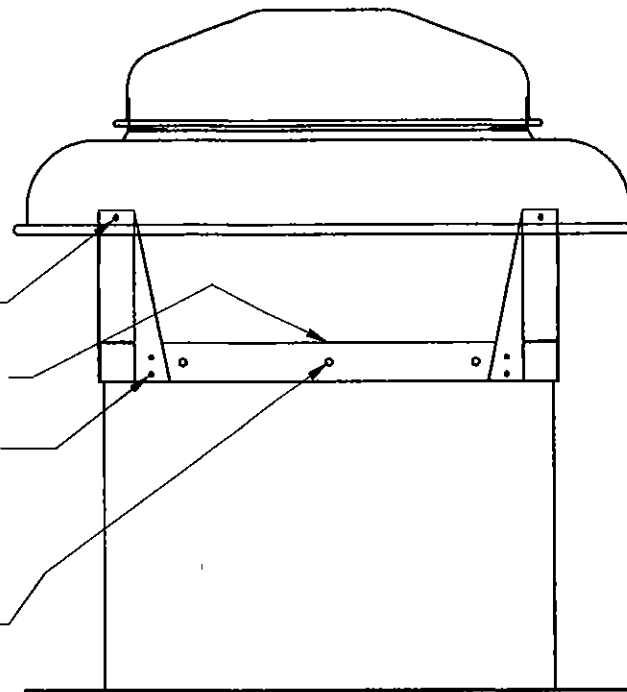
Expiration Date: November 4, 2020
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Large Missile Impact Resistant
Max rated design pressure : +53.0 / -112.0 PSF

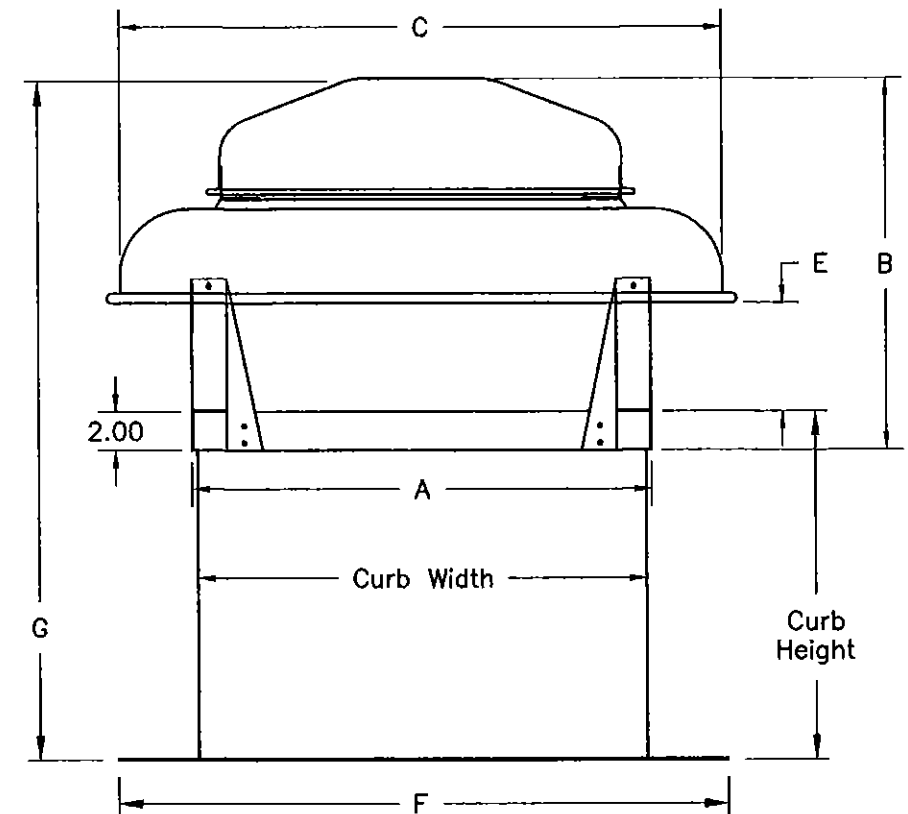


Plan View

- 4 x 1/4"-20x3/4" HWH bolts
- Windband to Curb Welded
2" welds on 6" centers
- 16 x 3/16" Aluminum Rivets
- Fan curb to Roof curb
connection
1/4" sheet metal screws
on minimum 6" centers



Elevation View



- Notes:
- a. This rooftop exhaust fan has been designed to comply with the 2014 FBC SEC 1620.6 & ASCE 7-10 SEC 29.5
 - b. Roof structure must be designed to withstand the weight and loading transmitted by this rooftop exhaust fan.
 - c. This approval is for the structural capacity of the exterior housing only, it does not include any interior mechanism and/or electrical part.
 - d. This rooftop exhaust fan has not been tested for wind driven rain according to Florida Building Code, TAS 100(A).
 - e. All fasteners must be corrosion resistant.

Acme Engineering &
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Model	Fan Dimensions (Inches)							Curb Dimensions			Fan + Curb Weight (lbs.)
	A	B	C	D	E	F	Max G	Curb Width	Curb Height	Curb Material	
60	13.50	9.00	18.25	2.00	0.00	21.50	49.00	13.20	8 to 42	18 ga. G90 galv.	46
70	13.50	9.00	18.25	2.00	0.00	21.50	49.00	13.20	8 to 42	18 ga. G90 galv.	46
80	13.50	9.00	18.25	2.00	0.00	21.50	49.00	13.20	8 to 42	18 ga. G90 galv.	46
100	16.00	13.25	21.12	2.00	3.81	24.00	53.25	15.70	8 to 42	18 ga. G90 galv.	51
110	16.00	13.25	21.12	2.00	3.81	24.00	53.25	15.70	8 to 42	18 ga. G90 galv.	52
118	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	75
126	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	76
135	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	82
145	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	96
163	24.00	18.12	31.63	2.00	5.56	32.00	58.12	23.70	8 to 42	18 ga. G90 galv.	139
171	24.00	18.12	31.63	2.00	5.56	32.00	58.12	23.70	8 to 42	18 ga. G90 galv.	148

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0729-19
Expiration Date 11/04/2020
By [Signature]
Miami Dade Product Control

APPROVED JUL 21 2015

DWG NO. 686739 Sheet 1/3

TITLE Exhaust Ventilator Model PRN

MAT'L
DRAFTER TCR DATE 04/12/10
DESIGN ENG. TCR 04/12/10 RELEASED
CHKD BY MFG. SCALE NTS

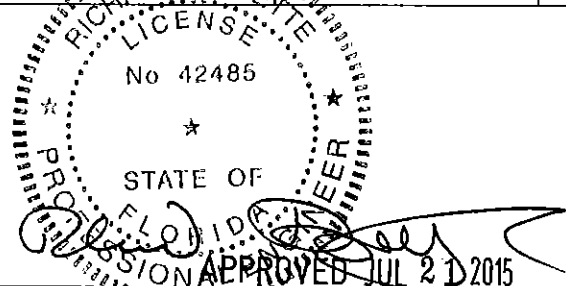
LET.	REVISION RECORD	BY	CKD.	DATE
A	REVISED FOR FLORIDA BUILDING CODE 2010	BPF	TCR	7/10/12
B	REVISED FOR FLORIDA BUILDING CODE 2014	TCR	TGB	5/28/15
C	REVISED FOR 42" TALL CURBS	TCR	TGB	6/29/15
D	REVISED FOR CONSULTING ENGINEER REQUEST	TCR	TGB	7/21/15

Richard Boyette, FL PE #42485
Rick Boyette Consulting Inc - CoA #9707
4031 Coconut Blvd
Royal Palm Beach FL 33411
561-790-5766

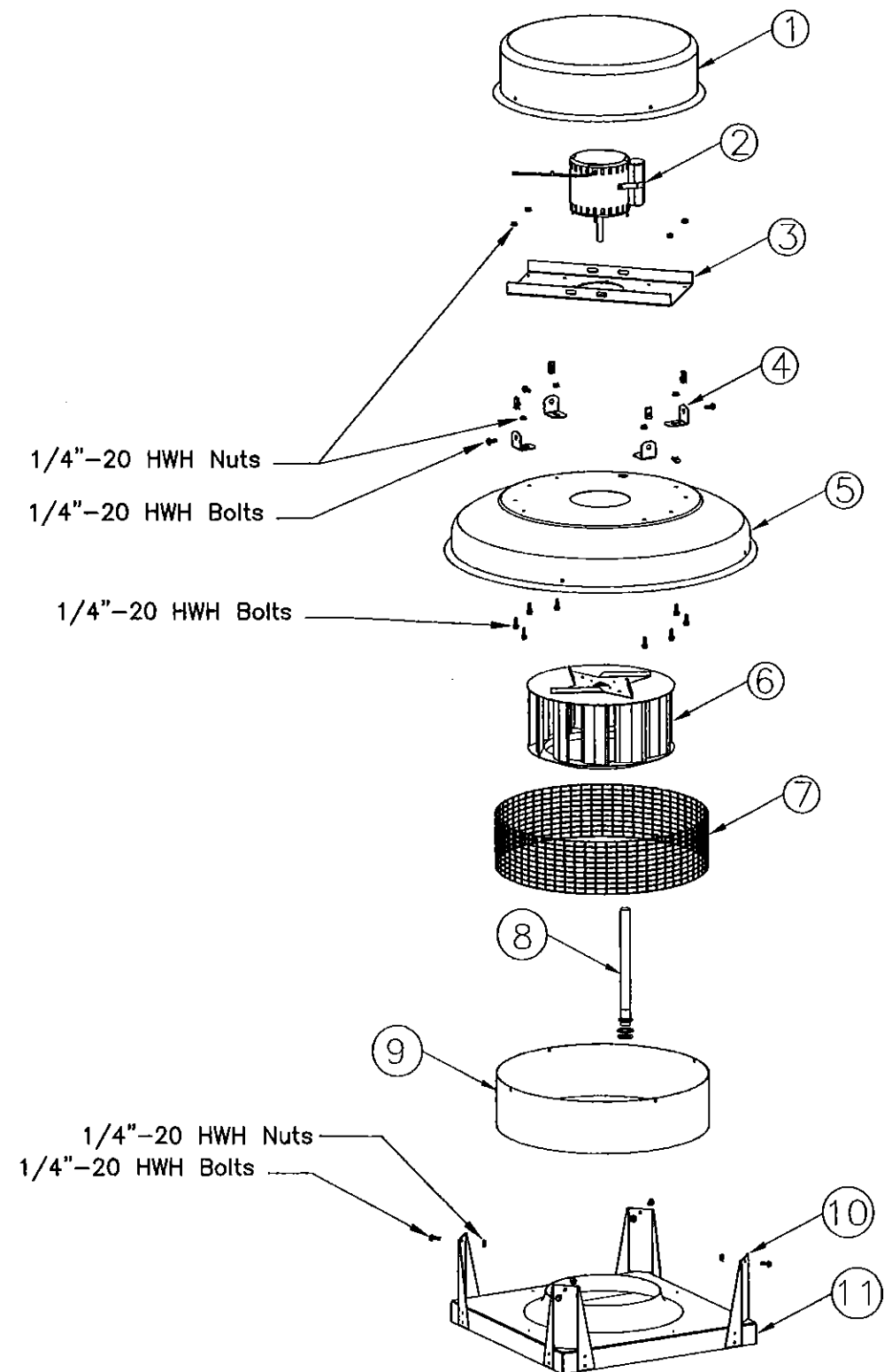
Item#	Qty.	Item	Size	60-70-80	100	110	118	126
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor						
3	1	Motor Mount		18 ga. G90 galv.	18 ga. G90 galv.	18 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller						
7	1	Birdscreen		19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum

Item#	Qty.	Item	Size	135	145	163	171
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor					
3	1	Motor Mount		14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller					
7	1	Birdscreen		19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum

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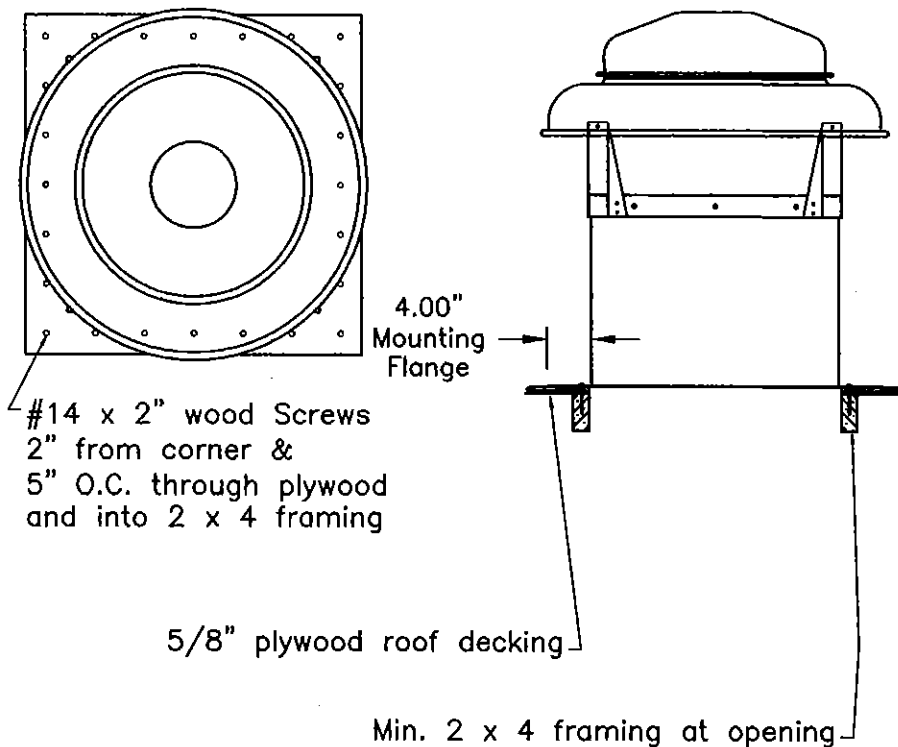
Acme Engineering &
Manufacturing Corp.
1820 N. York Street
Muskogee, OK 74403
918-682-7791



DWG NO. 686739 Sheet 2/3		REVISION RECORD				BY	CKD.	DATE
TITLE Exhaust Ventilator Model PRN		A	REVISED FOR FLORIDA BUILDING CODE 2010			BPF	TCR	7/10/12
		B	REVISED FOR FLORIDA BUILDING CODE 2014			TCR	TGB	5/28/15
		C	REVISED FOR 42" TALL CURBS			TCR	TGB	6/29/15
		D	REVISED FOR CONSULTING ENGINEER REQUEST			TCR	TGB	7/21/15
MAT'L								
DRAFTER	TCR	DATE	04/12/10					
DESIGN	TCR	04/12/10	RELEASED					
CHKD BY	MFG.	SCALE	NTS					

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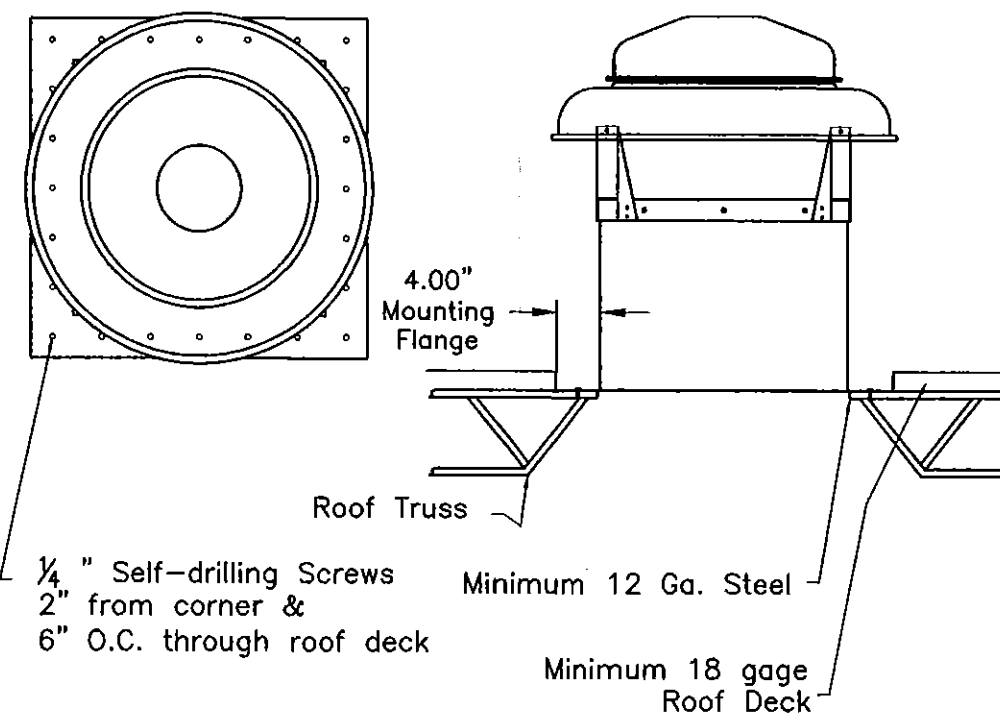
Large Missile Impact Resistant
Max rated design pressure : +53.0 / -112.0 PSF



Elevation View

Plan View

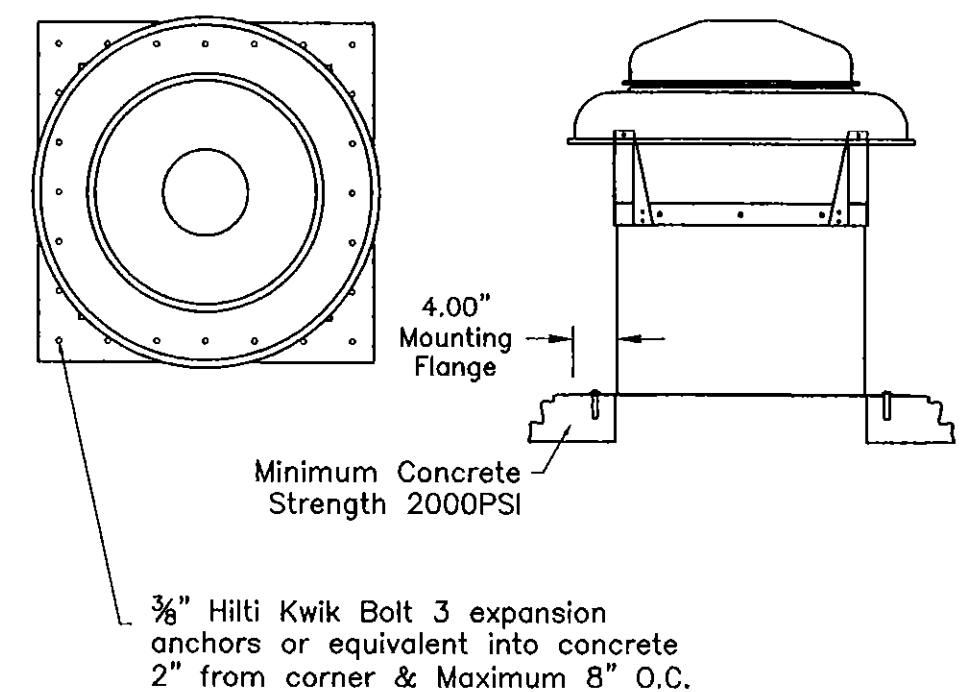
Wood Deck Installation



Elevation View

Plan View

Metal Building Installation

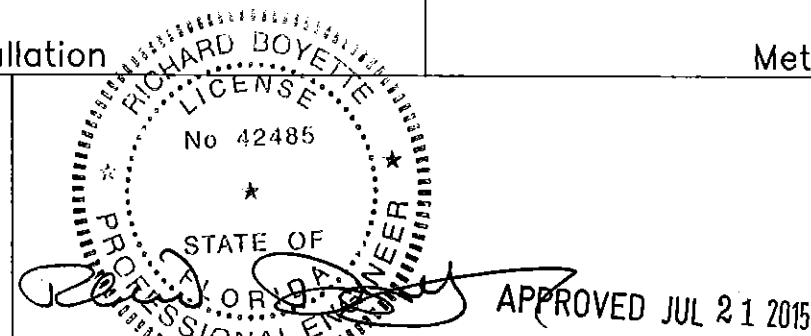


Elevation View

Plan View

Concrete Deck Installation

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0729.19
Expiration Date 11/24/2020
By [Signature]
Miami Dade Product Control



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Manufacturing Corp.
1820 N. York Street
Muskogee, OK 74403
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INSTALLATION TYPE / FASTENER COUNT				
MODEL	MOUNTING FLANGE DIMENSIONS	WOOD DECK	METAL BUILDING	CONCRETE DECK
60	21.50 X 21.50	16	16	12
70	21.50 X 21.50	16	16	12
80	21.50 X 21.50	16	16	12
100	24.00 X 24.00	20	16	12
110	24.00 X 24.00	20	16	12
118	29.00 X 29.00	28	20	12
126	29.00 X 29.00	28	20	12
135	29.00 X 29.00	28	20	12
145	29.00 X 29.00	28	20	12
163	32.00 X 32.00	32	24	16
171	32.00 X 32.00	32	24	16

DWG NO. 686739 Sheet 3/3

TITLE Exhaust Ventilator Model PRN

MAT'L
DRAFTER TCR DATE 04/12/10
DESIGN ENG. TCR 04/12/10 RELEASED
CHKD BY MFG. SCALE NTS

LET.	REVISION RECORD	BY	CKD.	DATE
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